

### CLAIMS

1. A system for recycling raw materials from a plurality waste streams generated by waste stream providers, comprising:

a waste stream monitoring module for monitoring said plurality of waste streams and determining an amount of reusable raw materials contained in each of said plurality of waste streams;

a reusable materials database for storing said amount of each of said raw materials contained in any of said plurality of waste streams; and

an access device in communications with said reusable materials database, said access device being operable by a user for viewing said amount of each of said raw materials.

2. The system of claim 1, wherein said reusable materials database includes a price for each of said raw materials.

3. The system of claim 2, wherein said user issues a purchase request for a specified amount of at least one of said raw materials according to said price.

4. The system of claim 3, further comprising a waste purchasing module receiving said purchase request and issuing a purchase order to at least one of said waste stream providers for fulfilling said purchase request.

5. The system of claim 4, further comprising a recovery plant for receiving at least one of said plurality of waste streams from said at least one of said waste stream providers, said recovery plant recovering said specified amount of at least one of said raw materials.

6. The system of claim 5, wherein said specified amount of at least one of said raw materials is transported to a location indicated by said user.

7. The system of claim 5, wherein said waste purchasing module updates said reusable materials database based on the receipt of said at least one of said plurality of waste streams from said at least one of said waste stream providers.
8. The system of claim 1, wherein one of said plurality of waste streams was generated from at least one original raw material and said reusable raw material is different than said original raw material.
9. The system of claim 8, wherein said waste stream monitoring module receives batch composition information associated said one of said plurality of waste streams and said waste stream monitoring module determines said amount of reusable material based on said batch composition information.
10. A method for recycling raw materials from a plurality waste streams generated by waste stream providers, comprising the steps of:
- monitoring said plurality of waste streams;
  - determining an amount of reusable raw materials contained in each of said plurality of waste streams;
  - storing in a reusable materials database said amount of each of said raw materials contained in any of said plurality of waste streams; and
  - viewing said amount of each of said raw materials in said reusable materials database.
11. The method of claim 10, wherein said reusable materials database includes a price for each of said raw materials.
12. The method of claim 11, further comprising the step of:
- receiving a purchase request for a specified amount of at least one of said raw materials according to said price.

13. The method of claim 12, further comprising the step of:  
issuing a purchase order to at least one of said waste stream providers for fulfilling said purchase request.
14. The method of claim 13, further comprising the steps of:  
receiving at a recovery plant at least one of said plurality of waste streams from said at least one of said waste stream providers and  
recovering said specified amount of at least one of said raw materials.
15. The method of claim 14, further comprising the step of:  
transporting said specified amount of at least one of said raw materials to a location indicated in said purchase request.
16. The method of claim 14, further comprising the step of:  
updating the reusable materials database based on the receipt of said at least one of said plurality of waste streams from said at least one of said waste stream providers.
17. The method of claim 10, wherein one of said plurality of waste streams was generated from at least one original raw material and said reusable raw material is different than said original raw material.
18. The method of claim 17, further comprising the steps of:  
receiving batch composition information associated said one of said plurality of waste streams; and  
8 determining said amount of reusable material based on said batch composition information.

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